

MULTIPLE ANTENNA ABLATION APPARATUS**ABSTRACT**

An ablation apparatus has a multiple antenna device of adjustable length including an adjustable length primary antenna and an adjustable length secondary antenna. The primary antenna has a longitudinal axis, and the secondary antenna is deployed in a direction lateral to the longitudinal axis.

5 The secondary antenna is constructed to be structurally less rigid than the primary antenna. The adjustable lengths of the primary and secondary antennas permits a desired geometric ablation of a selected tissue mass. An adjustable insulation sleeve is positioned on an exterior of one of the primary or secondary
10 antennas. An energy source is connected to the multiple antenna device. A variety of energy sources can be used including RF, microwave and laser.